



COPY

SPECIFICATION

TITLE OF THE INVENTION

POWER TRANSMISSION SYSTEM OF ENGINE

5

TECHNICAL FIELD OF THE INVENTION

The present invention relates to a power transmission system of an engine mounted on an all terrain vehicle such as a buggy.

10

BACKGROUND OF THE INVENTION

A rough terrain vehicle or an all-terrain vehicle which is also called a buggy is a four-wheel off-road vehicle for one person and is used as a recreational vehicle for hunting and trail touring and is also used as a practical vehicle for agriculture. In such an all-terrain vehicle, an engine is mounted in a lateral direction in a vehicle body such that a crankshaft extends in a direction of vehicle width and a power transmission system for transmitting engine power to driving wheels is provided with a forward/backward switching mechanism, a belt type continuously variable transmission, a centrifugal clutch and the like (see Japanese Patent Application Laid-open Nos. 10-297294 and 2002-68070)

In a conventional all-terrain vehicle, an engine is mounted in a lateral direction in a vehicle body such that a crankshaft extends in a direction of vehicle width and on the front side of a rider's seat. Then, the crankshaft, a primary shaft of a continuously variable transmission to which the